

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/12/2017 10:04 AM
Cytometer Baseline: 04/21/2017 12:22 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123730	-2	2.08	123568	2.06
Blue	F	SSC	125000	123432	-2	3.45	123746	3.30
Blue	E	FITC	23355	22623	-4	2.66	1011	10.33
Blue	D	PE	28848	28267	-3	2.17	1015	10.09
Blue	B	PerCP-Cy5-5	47791	46881	-2	3.53	1343	17.01
Blue	A	PE-Cy7	41358	41153	-1	5.25	639	35.45
Red	C	APC	51316	50782	-2	2.74	2932	9.21
Red	A	APC-Cy7	53225	52642	-2	2.78	1093	11.40
Violet	B	V450	14473	13973	-4	3.37	676	8.46
Violet	A	V500	59973	58346	-3	3.11	2597	5.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18132	4.02	608	10	N/A	N/A	Pass
Blue	F	SSC	61196	1.75	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.65	544	0	0.0208	212	Pass
Blue	D	PE	224	28.95	540	2	0.1472	208	Pass
Blue	B	PerCP-Cy5-5	211	44.76	629	-1	0.0100	83	Pass
Blue	A	PE-Cy7	70	120.29	682	1	0.0120	20	Pass
Red	C	APC	344	27.14	592	-2	0.0216	93	Pass
Red	A	APC-Cy7	119	40.70	572	-4	0.0052	1433	Pass
Violet	B	V450	81	40.73	464	-7	0.0498	1908	Pass
Violet	A	V500	189	21.08	494	-7	0.0147	94	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.85	-31.58	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.89	13.27 - 19.91	N/A	N/A	31.57	31.91	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10140

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments